1. Difference between interpreter and compiler.

|  |  |
| --- | --- |
| Interpreter | Compiler |
| Translates program one statement at a time. | Scans the entire program and translates it as a whole into machine code. |
| Interpreters usually take less amount of time to analyze the source code. However, the overall execution time is comparatively slower than compilers. | Compilers usually take a large amount of time to analyze the source code. However, the overall execution time is comparatively faster than interpreters. |
| No Object Code is generated, hence are memory efficient. | Generates Object Code which further requires linking, hence requires more memory. |

1. Write a program.

class Student

{

int roll;

String name;

void input()

{

roll=52;

name="yashi";

}

void display()

{

System.out.println("Name is "+name);

System.out.println("roll no "+roll);

}

public static void main(String[] args)

{

Student ob=new Student();

ob.input();

ob.display();

}

}

